



Patent  
Attorney's Docket No. 001560-222

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )

Miyoko ONO et al )

Application No.: 08/693,499 )

Filed: August 7, 1996 )

Group Art Unit: C. Sherrer

Examiner: 1761

DO NOT ENTER  
OK TO ENTER  
OK AS ENTERED

HOP EXTRACT AND USE  
THEREOF

REPLY AND AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
JUN 04 2002  
TC 1700

Sir:

In complete response to the Final Office Action mailed November 30, 2001, please amend the above-identified application as follows.

IN THE CLAIMS:

Kindly replace claims 1-2 as follows.

1. (Five Times Amended) A process for production of an essential oil-rich hop extract, comprising the steps of:

(1) extracting hops with supercritical or subcritical carbon dioxide solvent at a pressure of 80 to 100 kg/cm<sup>2</sup> to obtain a carbon dioxide extract; and

(2) separating an essential oil-rich hop extract from the carbon dioxide extract,

wherein the ratio of essential oil content (ml) to  $\alpha$ -acid (g) in the extracted hops is increased by at least 2.